

What is claimed is:

- Sub A' >*
- 5 1. A method of processing data comprising the steps of:
 (a) copying said data to a data block formatted for digital video; and
 (b) storing said data block on a storage medium in a digital video storage format.
- 10 2. The method of claim 1 wherein said storage medium comprises a digital video tape.
- 15 3. The method of claim 1 further comprising the step of copying said data block to a payload portion of an isochronous data transfer packet.
- 20 4. The method of claim 1 further comprising the step of repeating said copying of said data to another said data block.
- 25 5. A method of storing MPEG transport stream data on a digital video recorder comprising the steps of:
 (a) copying said transport stream data to a video data block of a digital video frame; and
 (b) storing said digital video frame on a storage medium.
6. The method claim 5 wherein said storage medium comprises a digital video tape.
7. The method of claim 5 further comprising the step of copying said digital video frame into an isochronous data transfer packet.

8. The method of claim 5 further comprising the step of repeating said copying of said transport stream data to another said video data block.

5 9. The method of claim 8 wherein said another video data block is a data element of another said digital video frame.

10. A method of storing MPEG transport stream data with a digital video recorder comprising the steps of:

10 (a) copying said transport stream data to a data block of a digital video frame;

(b) copying said digital video frame to an isochronous data packet;

(c) extracting said digital video frame from said isochronous data packet; and

15 (d) storing said digital video frame in a storage medium.

11. The method of claim 10 further comprising the step of repeating said copying of said transport stream data to another data block.

20 12. The method of claim 11 wherein said another video data block is a data element of another said digital video frame.

13. A method of storing MPEG transport stream data on a digital video recorder comprising the steps of:

25 (a) copying said transport stream data into an isochronous data transfer packet;

(b) extracting said transport stream data from said isochronous data transfer packet;

- (c) copying said transport stream data to a video data block of a digital video frame; and
- (d) storing said digital video frame.

5 14. The method of claim 13 further comprising the step of repeating said copying of said transport stream data to another data block.

15. The method of claim 14 wherein said another video data block is a data element of another said digital video frame.

10 16. A method of storing MPEG transport stream data with a digital video recorder comprising the steps of:

(a) accumulating a quantity of said transport stream data equal to a digital video frame data quantity;

15 (b) copying said quantity of said transport stream data to a data block of a digital video frame;

(c) repeating said copying of said quantity of said transport stream data to another said data block as another said quantity of transport stream data is accumulated;

20 (d) copying at least one said digital video frame including said data block to a data transfer packet;

(e) extracting said at least one digital video frame from said data transfer packet; and

(f) storing said at least one digital video frame.

25 17. A method of storing MPEG transport stream data with a digital video recorder comprising the steps of:

(a) copying said transport stream data to a data transfer packet;

30 (b) extracting said transport stream data from said data transfer packet;

- 5
- (c) accumulating a quantity of said transport stream data equal to a digital video frame data quantity;
 - (d) copying said quantity of said transport stream data to a data block of a digital video frame;
 - (e) repeating said copying of said quantity of said transport stream data to another said data block as another said quantity of transport stream data is accumulated; and
 - (f) storing said digital video frame.

- 10
18. An apparatus for storing data with a digital video recorder comprising:
- (a) an accumulation buffer to accumulate a predetermined quantity of said data; and
 - (b) a frame packetizer to copy said data to a data block of a digital video frame.

- 15
19. The apparatus of claim 18 further comprising:
- (a) a transfer packet encoder to copy said digital video frame to a data transfer packet; and
 - (b) a depacketizer to extract said digital video frame from said data transfer packet for storage.
- 20

20. A method of processing data comprising the steps of:
- (a) copying a digital video data block containing said data from a storage medium;
 - (b) extracting said data from said digital video data block; and
 - (c) formatting said data in a format other than the format of said digital video data block.
- 25

- 30
21. The method of claim 20 wherein said storage medium comprises a digital videotape.

A'
cancel

22. The method of claim 23 further comprising the step of copying said formatted data to a payload portion of an isochronous data transfer packet.

5 23. The method of claim 20 wherein the step of copying said digital video data block from said storage medium comprises the steps of:

- (a) copying said digital video data block to a payload portion of an isochronous data transfer packet; and
- (b) extracting said digital video data block from said isochronous data transfer packet.

10